

NNN		NNN	CCCCCCCCCCCC	PPPPPPPPPPPP	
NNN		NNN	CCCCCCCCCCCC	PPPPPPPPPPPP	
NNN		NNN	CCCCCCCCCCCC	PPPPPPPPPPPP	
NNN		NNN	CCC	PPP	PPP
NNN		NNN	CCC	PPP	PPP
NNN		NNN	CCC	PPP	PPP
NNNNNN		NNN	CCC	PPP	PPP
NNNNNN		NNN	CCC	PPP	PPP
NNNNNN		NNN	CCC	PPP	PPP
NNN	NNN	NNN	CCC	PPPPPPPPPPPP	
NNN	NNN	NNN	CCC	PPPPPPPPPPPP	
NNN	NNN	NNN	CCC	PPPPPPPPPPPP	
NNN	NNNNNN	NNN	CCC	PPP	
NNN	NNNNNN	NNN	CCC	PPP	
NNN	NNNNNN	NNN	CCC	PPP	
NNN	NNN	NNN	CCC	PPP	
NNN	NNN	NNN	CCC	PPP	
NNN	NNN	NNN	CCC	PPP	
NNN		NNN	CCCCCCCCCCCC	PPP	
NNN		NNN	CCCCCCCCCCCC	PPP	
NNN		NNN	CCCCCCCCCCCC	PPP	

```
NN      NN      CCCCCCCC  PPPPPPPP  SSSSSSSS  TTTTTTTTTT  AAAAAA  MM      MM      000000  DDDDDDDD
NN      NN      CCCCCCCC  PPPPPPPP  SSSSSSSS  TTTTTTTTTT  AAAAAA  MM      MM      000000  DDDDDDDD
NN      NN      CC        PP        PP  SS        TT        AA      AA  MMMM  MMMM  00      00  DD      DD
NN      NN      CC        PP        PP  SS        TT        AA      AA  MMMM  MMMM  00      00  DD      DD
NNNN    NN      CC        PP        PP  SS        TT        AA      AA  MM  MM  MM  00      00  DD      DD
NNNN    NN      CC        PP        PP  SS        TT        AA      AA  MM  MM  MM  00      00  DD      DD
NN      NN      CC        PPPPPPPP  SSSSSS      TT        AA      AA  MM      MM  00      00  DD      DD
NN      NN      CC        PPPPPPPP  SSSSSS      TT        AA      AA  MM      MM  00      00  DD      DD
NN      NN      CC        PP        SS          TT        AAAAAAAAAA MM      MM  00      00  DD      DD
NN      NN      CC        PP        SS          TT        AAAAAAAAAA MM      MM  00      00  DD      DD
NN      NN      CC        PP        SS          TT        AA      AA  MM      MM  00      00  DD      DD
NN      NN      CC        PP        SS          TT        AA      AA  MM      MM  00      00  DD      DD
NN      NN      CC        PP        SSSSSSSS      TT        AA      AA  MM      MM  00      00  DD      DD
NN      NN      CCCCCCCC  PP        SSSSSSSS      TT        AA      AA  MM      MM  000000  DDDDDDDD
NN      NN      CCCCCCCC  PP        SSSSSSSS      TT        AA      AA  MM      MM  000000  DDDDDDDD
```

....  
....  
....  
....

```
LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS
```

```

0001 0 %TITLE 'Modules Configurator, Console, Loader, Looper Parsing'
0002 0 MODULE NCPSTAMOD (IDENT = 'V04-000',LIST(NOOBJECT)) =
0003 1 BEGIN
0004 1
0005 1
0006 1 *****
0007 1 *
0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0024 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0025 1 *
0026 1 *****
0027 1
0028 1
0029 1 ++
0030 1 FACILITY:      Network Control Program (NCP)
0031 1
0032 1 ABSTRACT:
0033 1
0034 1      States and data for the parsing of NCP Configurator module parameters
0035 1
0036 1 ENVIRONMENT:  VAX/VMS Operating System
0037 1
0038 1 AUTHOR:      Bob Grosso October 1982
0039 1
0040 1 MODIFIED BY:
0041 1
0042 1
0043 1
0044 1 --

```



```
: 46      0045 1 %SBTTL 'Definitions'
: 47      0046 1
: 48      0047 1
: 49      0048 1  INCLUDE FILES:
: 50      0049 1
: 51      0050 1
: 52      0051 1      LIBRARY 'LIB$NMALIBRY';
: 53      0052 1      LIBRARY 'LIB$NCPLIBRY';
: 54      0053 1      LIBRARY 'SYSS$LIBRARY:TPAMAC';
: 55      0054 1
: 56      0055 1
: 57      0056 1  EXTERNAL REFERENCES:
: 58      0057 1
: 59      0058 1
: 60      0059 1      ACT_DFN      ! Action routine externals
: 61      0060 1
: 62      0061 1  EXTERNAL
: 63      0062 1      NCP$GL_QUALPRS;      ! Flag presence of qualifier
: 64      0063 1
: 65      0064 1  LITERAL
: 66      0065 1      QUALPRESENT = 1;      ! Flag presence of qualifier on command line
: 67      0066 1
```



```

69      0067 1 %SBTTL 'Set Parameter blocks'
70      0068 1
71      0069 1
72      0070 1 Set Configurator Parameter Blocks
73      0071 1
74      0072 1
75      P 0073 1 BUILD_PCL
76      P 0074 1
77      P 0075 1 (MCF, ! Module Configurator
78      P 0076 1
79      P 0077 1 CIR, TKN, PCCN_CIR, ,
80      P 0078 1
81      P 0079 1 SUR, NUMB, PCCN_SUR, ,
82      P 0080 1
83      P 0081 1 , END, , ,
84      P 0082 1
85      0083 1 )
86      0084 1
87      0085 1
88      P 0086 1 BUILD_PBK
89      P 0087 1
90      P 0088 1 (MCF, ! Module Configurator
91      P 0089 1
92      P 0090 1 CIR, TKN, ! Circuit is a qualifier
93      P 0091 1 KCI, LITB, NMA$C_ENT_KNO, MCF_CIR, ! Known circuits
94      P 0092 1
95      P 0093 1 SUR_ENAB, LITB, NMA$C_SUR_ENA, MCF_SUR,
96      P 0094 1 SUR_DISAB, LITB, NMA$C_SUR_DIS, MCF_SUR,
97      P 0095 1
98      0096 1 )
99      0097 1
100     0098 1 BIND PDB$G_MCF_ENT = UPLIT BYTE(0, %ASCIC 'CONFIGURATOR');
101     0099 1
102     P 0100 1 BUILD_SDB
103     0101 1 (MCF, NMA$C_ENT_MOD, MCF_ENT, MCF)
```

```
.. 105      0102 1  |
.. 106      0103 1  | Set Console Parameter Blocks
.. 107      0104 1  |
.. 108      0105 1  |
.. 109      P 0106 1  BUILD_PCL
.. 110      P 0107 1
.. 111      P 0108 1  (MCS,                ! Module Console
.. 112      P 0109 1
.. 113      P 0110 1  RTR, NUMB,      PCCO_RTR, ,
.. 114      P 0111 1
.. 115      P 0112 1  , END, , ,
.. 116      P 0113 1
.. 117      0114 1  )
.. 118      0115 1
.. 119      0116 1
.. 120      P 0117 1  BUILD_PBK
.. 121      P 0118 1
.. 122      P 0119 1  (MCS,                ! Module Console
.. 123      P 0120 1
.. 124      P 0121 1  RTR, NUMB, , ,
.. 125      P 0122 1
.. 126      0123 1  )
.. 127      0124 1
.. 128      0125 1 BIND PDBG_MCS_ENT = UPLIT BYTE(0, %ASCIC 'CONSOLE');
.. 129      0126 1
.. 130      P 0127 1  BUILD_SDB
.. 131      0128 1  (MCS, NMA$C_ENT_MOD, MCS_ENT, MCS)
```



```
133 0129 1 !
134 0130 1 !
135 0131 1 !
136 0132 1 !
137 P 0133 1 BUILD_PCL
138 P 0134 1
139 P 0135 1 (MLD, ! Module Loader
140 P 0136 1
141 P 0137 1 ASS, NUMB, PCLD_ASS, ,
142 P 0138 1
143 P 0139 1 , END, , ,
144 P 0140 1
145 0141 1 )
146 0142 1
147 0143 1
148 P 0144 1 BUILD_PBK
149 P 0145 1
150 P 0146 1 (MLD, ! Module Loader
151 P 0147 1
152 P 0148 1 ASS_ENAB, LITB, NMA$C_ASS_ENA, MLD_ASS,
153 P 0149 1 ASS_DISAB, LITB, NMA$C_ASS_ENA, MLD_ASS,
154 P 0150 1
155 0151 1 )
156 0152 1
157 0153 1 BIND PDB$G_MLD_ENT = UPLIT BYTE(0, %ASCIC 'LOADER');
158 0154 1
159 P 0155 1 BUILD_SDB
160 0156 1 (MLD, NMA$C_ENT_MOD, MLD_ENT, MLD)
```



```

: 162      0157 1  |
: 163      0158 1  |      Set Looper Parameter Blocks
: 164      0159 1  |
: 165      0160 1  |
: 166      P 0161 1  |      BUILD_PCL
: 167      P 0162 1  |
: 168      P 0163 1  |      (MLP,                                ! Module Looper
: 169      P 0164 1  |
: 170      P 0165 1  |      ASS, NUMB,          PCLP_ASS, ,
: 171      P 0166 1  |
: 172      P 0167 1  |      , END, , ,
: 173      P 0168 1  |
: 174      0169 1  |      )
: 175      0170 1  |
: 176      0171 1  |
: 177      P 0172 1  |      BUILD_PBK
: 178      P 0173 1  |
: 179      P 0174 1  |      (MLP,                                ! Module Looper
: 180      P 0175 1  |
: 181      P 0176 1  |      ASS_ENAB, LITB, NMA$C_ASS_ENA, MLP_ASS,
: 182      P 0177 1  |      ASS_DISAB, LITB, NMA$C_ASS_ENA, MLP_ASS,
: 183      P 0178 1  |
: 184      0179 1  |      )
: 185      0180 1  |
: 186      0181 1 BIND  PDB$G_MLP_ENT = UPLIT BYTE(0, %ASCIC 'LOOPER');
: 187      0182 1
: 188      P 0183 1  |      BUILD_SDB
: 189      0184 1  |      (MLP, NMA$C_ENT_MOD, MLP_ENT, MLP)

```

```
.. 191      0185 1 %SBTTL 'Clear Parameter blocks'
.. 192      0186 1
.. 193      0187 1
.. 194      0188 1
.. 195      0189 1
.. 196      0190 1
.. 197      0191 1
.. 198      P 0192 1 BUILD_PCL
.. 199      P 0193 1
.. 200      P 0194 1 (CCF, ! Module Configurator
.. 201      P 0195 1
.. 202      P 0196 1 CIR, TKN, PCCN_CIR, ,
.. 203      P 0197 1
.. 204      P 0198 1 SUR, LITB, PCCN_SUR, ,
.. 205      P 0199 1
.. 206      P 0200 1 , END, , ,
.. 207      P 0201 1
.. 208      0202 1 )
.. 209      0203 1
.. 210      P 0204 1 BUILD_PBK
.. 211      P 0205 1
.. 212      P 0206 1 (CCF, ! Module Configurator
.. 213      P 0207 1
.. 214      P 0208 1 ALL, LITB, 0, VRB_ALL,
.. 215      P 0209 1 CIR, TKN, 0, ! Circuit is a qualifier
.. 216      P 0210 1 KCI, LITB, NMASC_ENT_KNO, CCF_CIR, ! Known circuits
.. 217      P 0211 1
.. 218      P 0212 1 SUR, LITB, 0, ,
.. 219      P 0213 1
.. 220      0214 1 )
.. 221      0215 1
.. 222      P 0216 1 BUILD_SDB
.. 223      P 0217 1
.. 224      0218 1 (CCF, NMASC_ENT_MOD, MCF_ENT, CCF)
.. 225      0219 1
.. 226      0220 1
```



```
.. 228      0221 1  !
.. 229      0222 1  !
.. 230      0223 1  !
.. 231      0224 1  !
.. 232      0225 1  !
.. 233      0226 1  BUILD_PCL
.. 234      0227 1
.. 235      0228 1  (CCS,                ! Module Console
.. 236      0229 1
.. 237      0230 1  RTR, LITB,      PCCO_RTR, ,
.. 238      0231 1
.. 239      0232 1  , END, , ,
.. 240      0233 1
.. 241      0234 1  )
.. 242      0235 1
.. 243      0236 1  BUILD_PBK
.. 244      0237 1
.. 245      0238 1  (CCS,                ! Module Console
.. 246      0239 1
.. 247      0240 1  ALL, LITB, 0, VRB_ALL,
.. 248      0241 1
.. 249      0242 1  RTR, LITB, 0, ,
.. 250      0243 1
.. 251      0244 1  )
.. 252      0245 1
.. 253      0246 1  BUILD_SDB
.. 254      0247 1
.. 255      0248 1  (CCS, NMA$C_ENT_MOD, MCS_ENT, CCS)
.. 256      0249 1
.. 257      0250 1
```



```
259 0251 1 !
260 0252 1 !
261 0253 1 !
262 0254 1 !
263 0255 1 !
264 P 0256 1 BUILD_PCL
265 P 0257 1
266 P 0258 1 (CLD, ! Module Loader
267 P 0259 1
268 P 0260 1
269 P 0261 1 ASS, LITB, PCLD_ASS, ,
270 P 0262 1
271 P 0263 1 , END, , ,
272 P 0264 1
273 0265 1 )
274 0266 1
275 P 0267 1 BUILD_PBK
276 P 0268 1
277 P 0269 1 (CLD, ! Module Loader
278 P 0270 1
279 P 0271 1 ALL, LITB, 0, VRB_ALL,
280 P 0272 1
281 P 0273 1 ASS, LITB, 0, ,
282 P 0274 1
283 0275 1 )
284 0276 1
285 P 0277 1 BUILD_SDB
286 P 0278 1
287 0279 1 (CLD, NMASC_ENT_MOD, MLD_ENT, CLD)
288 0280 1
289 0281 1
```

```
291      0282 1 !
292      0283 1 !
293      0284 1 !
294      0285 1 !
295      0286 1 !
296      P 0287 1 BUILD_PCL
297      P 0288 1
298      P 0289 1 (CLP, ! Module Looper
299      P 0290 1
300      P 0291 1 ASS, LITB, PCLP_ASS, ,
301      P 0292 1
302      P 0293 1 , END, , ,
303      P 0294 1
304      0295 1 )
305      0296 1
306      P 0297 1 BUILD_PBK
307      P 0298 1
308      P 0299 1 (CLP, ! Module Looper
309      P 0300 1
310      P 0301 1 ALL, LITB, 0, VRB_ALL,
311      P 0302 1
312      P 0303 1 ASS, LITB, 0, ,
313      P 0304 1
314      0305 1 )
315      0306 1
316      P 0307 1 BUILD_SDB
317      P 0308 1
318      0309 1 (CLP, NMA$C_ENT_MOD, MLP_ENT, CLP)
319      0310 1
320      0311 1
```

```
.. 322      0312 1 %SBTTL 'Prompt strings'
.. 323      0313 1
.. 324      0314 1
.. 325      0315 1
.. 326      0316 1
.. 327      0317 1
.. 328      0318 1
.. 329      0319 1
.. 330      P 0320 1 PROMPT_STRINGS
.. 331      P 0321 1 (MCF,
.. 332      P 0322 1
.. 333      P 0323 1 DAT, ' (CIRCUIT name, or KNOWN): ',
.. 334      P 0324 1 KWN, ' (CIRCUITS): ',
.. 335      P 0325 1 SUR, 'Surveillance flag (ENABLED, DISABLED): ',
.. 336      P 0326 1
.. 337      0327 1 ),
.. 338      0328 1
.. 339      P 0329 1 PROMPT_STRINGS
.. 340      P 0330 1 (CCF,
.. 341      P 0331 1
.. 342      P 0332 1 DAT, ' (CIRCUIT name, or KNOWN): ',
.. 343      P 0333 1 KWN, ' (CIRCUITS): ',
.. 344      P 0334 1 ALL, 'All Configurator parameters (Y, N): ',
.. 345      P 0335 1
.. 346      P 0336 1 SUR, 'Surveillance flag (Y, N): ',
.. 347      P 0337 1
.. 348      0338 1 );
.. 349      0339 1
.. 350      0340 1
.. 351      0341 1
.. 352      0342 1
.. 353      0343 1
.. 354      0344 1
.. 355      P 0345 1 PROMPT_STRINGS
.. 356      P 0346 1 (MCS,
.. 357      P 0347 1
.. 358      P 0348 1 RTR, 'Reservation timer (1-65535 seconds): ',
.. 359      P 0349 1
.. 360      0350 1 ),
.. 361      0351 1
.. 362      P 0352 1 PROMPT_STRINGS
.. 363      P 0353 1 (CCS,
.. 364      P 0354 1
.. 365      P 0355 1 ALL, 'All Console parameters (Y, N): ',
.. 366      P 0356 1
.. 367      P 0357 1 RTR, 'Reservation timer (Y, N): ',
.. 368      P 0358 1
.. 369      0359 1 );
.. 370      0360 1
.. 371      0361 1
.. 372      0362 1
.. 373      0363 1
.. 374      0364 1
.. 375      0365 1
.. 376      P 0366 1 PROMPT_STRINGS
.. 377      P 0367 1 (MLD,
.. 378      P 0368 1
```



```

379      P 0369 1      ASS, 'Assistance control (ENABLED, DISABLED): ',
380      P 0370 1
381      0371 1      ),
382      0372 1
383      P 0373 1      PROMPT_STRINGS
384      P 0374 1      (CLD,
385      P 0375 1
386      P 0376 1      ALL, 'All Loader parameters              (Y, N): ',
387      P 0377 1
388      P 0378 1      ASS, 'Assistance control                  (Y, N): ',
389      P 0379 1
390      0380 1      );
391      0381 1
392      0382 1      !
393      0383 1      !
394      0384 1      !
395      0385 1      BIND
396      0386 1
397      P 0387 1      PROMPT_STRINGS
398      P 0388 1      (MLP,
399      P 0389 1
400      P 0390 1      ASS, 'Assistance control (ENABLED, DISABLED): ',
401      P 0391 1
402      0392 1      ),
403      0393 1
404      P 0394 1      PROMPT_STRINGS
405      P 0395 1      (CLP,
406      P 0396 1
407      P 0397 1      ALL, 'All Looper parameters              (Y, N): ',
408      P 0398 1
409      P 0399 1      ASS, 'Assistance control                  (Y, N): ',
410      P 0400 1
411      0401 1      );

```

```
.. 413 0402 1 %SBTTL 'Declare entry points to TPARSE tables'
.. 414 0403 1
.. 415 0404 1
.. 416 0405 1
.. 417 0406 1
.. 418 0407 1
.. 419 0408 1 $INIT_STATE (NCP$G_STTBL_MOD, NCP$G_KYTBL_MOD);
.. 420 0409 1
.. 421 0410 1 FORWARD
.. 422 0411 1     ST_MCF:      VECTOR [0],      : Set Module Configurator
.. 423 0412 1     ST_CCF:      VECTOR [0],      : Clear Module Configurator
.. 424 0413 1     ST_MCS:      VECTOR [0],      : Set Module Console
.. 425 0414 1     ST_CCS:      VECTOR [0],      : Clear Module Console
.. 426 0415 1     ST_MLD:      VECTOR [0],      : Set Module Loader
.. 427 0416 1     ST_CLD:      VECTOR [0],      : Clear Module Loader
.. 428 0417 1     ST_MLP:      VECTOR [0],      : Set Module Looper
.. 429 0418 1     ST_CLP:      VECTOR [0];      : Clear Module Looper
.. 430 0419 1
.. 431 0420 1
.. 432 0421 1 GLOBAL BIND
.. 433 0422 1     NCP$G_STTBL_MODCNF = ST_MCF,
.. 434 0423 1     NCP$G_KYTBL_MODCNF = NCP$G_KYTBL_MOD,
.. 435 0424 1     NCP$G_STTBL_CCF = ST_CCF,
.. 436 0425 1     NCP$G_KYTBL_CCF = NCP$G_KYTBL_MOD,
.. 437 0426 1
.. 438 0427 1     NCP$G_STTBL_MODCNS = ST_MCS,
.. 439 0428 1     NCP$G_KYTBL_MODCNS = NCP$G_KYTBL_MOD,
.. 440 0429 1     NCP$G_STTBL_CCS = ST_CCS,
.. 441 0430 1     NCP$G_KYTBL_CCS = NCP$G_KYTBL_MOD,
.. 442 0431 1
.. 443 0432 1     NCP$G_STTBL_MODLOA = ST_MLD,
.. 444 0433 1     NCP$G_KYTBL_MODLOA = NCP$G_KYTBL_MOD,
.. 445 0434 1     NCP$G_STTBL_CLD = ST_CLD,
.. 446 0435 1     NCP$G_KYTBL_CLD = NCP$G_KYTBL_MOD,
.. 447 0436 1
.. 448 0437 1     NCP$G_STTBL_MODLOO = ST_MLP,
.. 449 0438 1     NCP$G_KYTBL_MODLOO = NCP$G_KYTBL_MOD,
.. 450 0439 1     NCP$G_STTBL_CLP = ST_CLP,
.. 451 0440 1     NCP$G_KYTBL_CLP = NCP$G_KYTBL_MOD;
```

```
453 0441 1
454 0442 1 %SBTTL 'SET Configurator Module Parameters'
455 0443 1
456 0444 1
457 0445 1 SET/DEFINE MODULE Configurator parameter states
458 0446 1
459 0447 1
460 P 0448 1 $STATE (ST_MCF,
461 P 0449 1 (TPAS_EOS),
462 P 0450 1 (TPAS_LAMBDA, ST_MCF_DAT)
463 0451 1 );
464 0452 1
465 P 0453 1 $STATE (
466 0454 1 (TPAS_LAMBDA, , ACT$PRMPT, , , PMT$G_MCF_DAT));
467 0455 1
468 0456 1
469 0457 1 Configurator is qualified by Circuit or Known Circuits
470 0458 1
471 P 0459 1 $STATE (ST_MCF_DAT,
472 P 0460 1 ('CIRCUIT'),
473 P 0461 1 ('KNOWN', ST_MCF_DAT_KWN),
474 P 0462 1 (TPAS_EOS, ST_MCF_PMT_CIR, ACT$SAVPRM, , , PBK$G_MCF_KCI),
475 0463 1 );
476 0464 1
477 P 0465 1 $STATE (
478 P 0466 1 ((SE_CIRC_ID), ST_MCF_PMT_CIR, ACT$SAVPRM,
479 0467 1 QUALPRESENT, NCP$GL_QUALPRS, PBK$G_MCF_CIR));
480 0468 1
481 P 0469 1 $STATE (ST_MCF_DAT_KWN,
482 0470 1 (TPAS_LAMBDA));
483 0471 1
484 P 0472 1 COMMAND PROMPT
485 P 0473 1 (MCF, KWN, NCP$_INVKEY,
486 P 0474 1
487 P 0475 1 ('CIRCUITS', ST_MCF_PMT_CIR, ACT$SAVPRM, , , PBK$G_MCF_KCI),
488 0476 1 )
489 0477 1
490 0478 1 Prompt for circuit parameters
491 0479 1
492 P 0480 1 $STATE (ST_MCF_PMT_CIR,
493 P 0481 1 (TPAS_EOS), ! start prompting if EOS
494 0482 1 (TPAS_LAMBDA, ST_MCF_PRC)); ! Else try parsing parameters
495 0483 1
496 P 0484 1 PROMPT_STATES
497 P 0485 1 (MCF,
498 P 0486 1
499 0487 1 SUR)
500 0488 1
501 0489 1
502 P 0490 1 $STATE (ST_MCF_DOIT,
503 P 0491 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_MCF),
504 0492 1 );
505 0493 1
```



```

: 507 P 0494 1 $STATE (ST_MCF_PRC,
: 508 P 0495 1 ((SE_ALC), ST_MCF_DOIT),
: 509 P 0496 1
: 510 P 0497 1 DISPATCH_STATES
: 511 P 0498 1 (MCF,
: 512 P 0499 1
: 513 P 0500 1 SUR, 'SURVEILLANCE',
: 514 P 0501 1
: 515 P 0502 1 )
: 516 P 0503 1
: 517 P 0504 1 ,(TPAS_EOS, ST_MCF_DOIT)
: 518 P 0505 1 );
: 519 P 0506 1
: 520 P 0507 1 $STATE (ST_MCF_SUR,
: 521 P 0508 1
: 522 P 0509 1 KEYWORD_STATE
: 523 P 0510 1 (MCF,
: 524 P 0511 1
: 525 P 0512 1 SUR_ENAB, 'ENABLED',
: 526 P 0513 1 SUR_DISAB, 'DISABLED',
: 527 P 0514 1
: 528 P 0515 1 ));
: 529 P 0516 1
: 530 P 0517 1
: 531 P 0518 1 Process States
: 532 P 0519 1
: 533 P 0520 1 PROCESS_STATES
: 534 P 0521 1 (MCF,
: 535 P 0522 1
: 536 P 0523 1 SUR ,
: 537 P 0524 1
: 538 P 0525 1 )
: 539 P 0526 1
```

```
541 0527 1
542 0528 1 %SBTTL 'SET Console Module Parameters'
543 0529 1
544 0530 1
545 0531 1 SET/DEFINE MODULE Console parameter states
546 0532 1
547 0533 1
548 P 0534 1 $STATE (ST_MCS,
549 P 0535 1 (TPAS_EOS),
550 P 0536 1 (TPAS_LAMBDA, ST_MCS_PRC)
551 0537 1 );
552 0538 1
553 0539 1
554 P 0540 1 PROMPT_STATES
555 P 0541 1 (MCS,
556 P 0542 1
557 0543 1 RTR)
558 0544 1
559 0545 1
560 P 0546 1 $STATE (ST_MCS_DOIT,
561 P 0547 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_MCS),
562 0548 1 );
563 0549 1
564 0550 1
565 P 0551 1 $STATE (ST_MCS_PRC,
566 P 0552 1 ((SE_ALC), ST_MCS_DOIT),
567 P 0553 1
568 P 0554 1 DISPATCH_STATES
569 P 0555 1 (MCS,
570 P 0556 1
571 P 0557 1 RTR, 'RESERVATION',
572 P 0558 1
573 P 0559 1 )
574 P 0560 1
575 P 0561 1 (TPAS_EOS, ST_MCS_DOIT)
576 0562 1 );
577 0563 1
578 0564 1
579 0565 1 Process States
580 0566 1
581 P 0567 1 PROCESS_STATES
582 P 0568 1 (MCS,
583 P 0569 1
584 P 0570 1 RTR, 'TIMER',
585 P 0571 1
586 0572 1 )
587 0573 1
588 0574 1
589 0575 1 Subexpression states
590 0576 1
591 P 0577 1 SUB_EXPRESSIONS
592 P 0578 1 (MCS,
593 P 0579 1
594 P 0580 1 RTR, TPAS_DECIMAL,
595 P 0581 1
596 0582 1 )
597 0583 1
```



```
599 0584 1
600 0585 1 %SBTTL 'SET Loader Module Parameters'
601 0586 1
602 0587 1
603 0588 1 SET/DEFINE Loader parameter states
604 0589 1
605 0590 1
606 P 0591 1 $STATE (ST_MLD,
607 P 0592 1 (TPAS_EOS),
608 P 0593 1 (TPAS_LAMBDA, ST_MLD_PRC)
609 0594 1 );
610 0595 1
611 0596 1
612 P 0597 1 PROMPT_STATES
613 P 0598 1 (MLD,
614 P 0599 1 ASS)
615 0600 1
616 0601 1
617 0602 1
618 P 0603 1 $STATE (ST_MLD_DOIT,
619 P 0604 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_MLD),
620 0605 1 );
621 0606 1
622 0607 1
623 P 0608 1 $STATE (ST_MLD_PRC,
624 P 0609 1 ((SE_ALC), ST_MLD_DOIT),
625 P 0610 1
626 P 0611 1 DISPATCH_STATES
627 P 0612 1 (MLD,
628 P 0613 1
629 P 0614 1 ASS, 'ASSISTANCE',
630 P 0615 1
631 P 0616 1 )
632 P 0617 1
633 P 0618 1 (TPAS_EOS, ST_MLD_DOIT)
634 0619 1 );
635 0620 1
636 0621 1
637 0622 1
638 0623 1
639 P 0624 1 PROCESS_STATES
640 P 0625 1 (MLD,
641 P 0626 1
642 P 0627 1 ASS, ,
643 P 0628 1
644 0629 1 )
645 0630 1
646 P 0631 1 $STATE (ST_MLD_ASS,
647 P 0632 1
648 P 0633 1 KEYWORD_STATE
649 P 0634 1 (MLD,
650 P 0635 1
651 P 0636 1 ASS_ENAB, 'ENABLED',
652 P 0637 1 ASS_DISAB, 'DISABLED',
653 P 0638 1
654 0639 1 ));
```



```

: 656      0640 1
: 657      0641 1 %SBTTL 'SET Looper Module Parameters'
: 658      0642 1
: 659      0643 1
: 660      0644 1 SET/DEFINE Looper parameter states
: 661      0645 1
: 662      0646 1
: 663      P 0647 1 $STATE (ST_MLP,
: 664      P 0648 1 (TPAS_EOS),
: 665      P 0649 1 (TPAS_LAMBDA, ST_MLP_PRC)
: 666      0650 1 );
: 667      0651 1
: 668      0652 1
: 669      P 0653 1 PROMPT_STATES
: 670      P 0654 1 (MLP,
: 671      P 0655 1
: 672      0656 1 ASS)
: 673      0657 1
: 674      0658 1
: 675      P 0659 1 $STATE (ST_MLP_DOIT,
: 676      P 0660 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_MLP),
: 677      0661 1 );
: 678      0662 1
: 679      0663 1
: 680      P 0664 1 $STATE (ST_MLP_PRC,
: 681      P 0665 1 ((SE_ALC), ST_MLP_DOIT),
: 682      P 0666 1
: 683      P 0667 1 DISPATCH_STATES
: 684      P 0668 1 (MLP,
: 685      P 0669 1
: 686      P 0670 1 ASS, 'ASSISTANCE',
: 687      P 0671 1
: 688      P 0672 1 )
: 689      P 0673 1
: 690      P 0674 1 (TPAS_EOS, ST_MLP_DOIT)
: 691      0675 1 );
: 692      0676 1
: 693      0677 1
: 694      0678 1 Process States
: 695      0679 1
: 696      P 0680 1 PROCESS_STATES
: 697      P 0681 1 (MLP,
: 698      P 0682 1
: 699      P 0683 1 ASS, ,
: 700      P 0684 1
: 701      0685 1 )
: 702      0686 1
: 703      P 0687 1 $STATE (ST_MLP_ASS,
: 704      P 0688 1
: 705      P 0689 1 KEYWORD_STATE
: 706      P 0690 1 (MLP,
: 707      P 0691 1
: 708      P 0692 1 ASS_ENAB, 'ENABLED',
: 709      P 0693 1 ASS_DISAB, 'DISABLED',
: 710      P 0694 1
: 711      0695 1 ));
```

```
: 713      0696 1 %SBTTL 'CLEAR Configurator Module Parameters'
: 714      0697 1
: 715      0698 1
: 716      0699 1
: 717      0700 1
: 718      0701 1
: 719      P 0702 1 $STATE (ST_CCF,
: 720      P 0703 1 (TPAS_EOS),
: 721      P 0704 1 (TPAS_LAMBDA, ST_CCF_DAT)
: 722      0705 1 );
: 723      0706 1
: 724      P 0707 1 $STATE (
: 725      0708 1 (TPAS_LAMBDA, , ACT$PRMPT, , , PMT$G_CCF_DAT));
: 726      0709 1
: 727      0710 1
: 728      0711 1
: 729      0712 1
: 730      P 0713 1 $STATE (ST_CCF_DAT,
: 731      P 0714 1 ('CIRCUIT'),
: 732      P 0715 1 ('KNOWN', ST_CCF_DAT_KWN),
: 733      P 0716 1 (TPAS_EOS, ST_CCF_PMT_CIR, ACT$SAVPRM, , , PBK$G_CCF_KCI),
: 734      0717 1 );
: 735      0718 1
: 736      P 0719 1 $STATE (
: 737      P 0720 1 ((SE_CIRC_ID), ST_CCF_PMT_CIR, ACT$SAVPRM,
: 738      0721 1 QUALPRESENT, NCP$GL_QUALPRS, PBK$G_CCF_CIR));
: 739      0722 1
: 740      P 0723 1 $STATE (ST_CCF_DAT_KWN,
: 741      0724 1 (TPAS_LAMBDA));
: 742      0725 1
: 743      P 0726 1
: 744      P 0727 1
: 745      P 0728 1
: 746      P 0729 1
: 747      0730 1
: 748      0731 1
: 749      0732 1
: 750      0733 1
: 751      P 0734 1 $STATE (ST_CCF_PMT_CIR,
: 752      P 0735 1 (TPAS_EOS),
: 753      0736 1 (TPAS_LAMBDA, ST_CCF_PRC));
: 754      0737 1
: 755      P 0738 1
: 756      P 0739 1
: 757      P 0740 1
: 758      0741 1
: 759      0742 1
: 760      0743 1
: 761      P 0744 1 $STATE (ST_CCF_DOIT,
: 762      P 0745 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_CCF),
: 763      0746 1 );
: 764      0747 1
```



```
: 766 P 0748 1 $STATE (ST_CCF_PRC,  
: 767 P 0749 1 ((SE_ALC), ST_CCF_DOIT),  
: 768 P 0750 1  
: 769 P 0751 1 DISPATCH_STATES  
: 770 P 0752 1 (CCF,  
: 771 P 0753 1  
: 772 P 0754 1 SUR, 'SURVEILLANCE',  
: 773 P 0755 1  
: 774 P 0756 1 )  
: 775 P 0757 1  
: 776 P 0758 1 (TPAS_EOS, ST_CCF_DOIT)  
: 777 P 0759 1 );  
: 778 P 0760 1  
: 779 P 0761 1  
: 780 P 0762 1  
: 781 P 0763 1  
: 782 P 0764 1  
: 783 P 0765 1 Process States  
: 784 P 0766 1 PROCESS_STATES  
: 785 P 0767 1 (CCF,  
: 786 P 0768 1 SUR ,  
: 787 P 0769 1 )  
: 788 P 0770 1  
: 789 P 0771 1  
: 790 P 0772 1  
: 791 P 0773 1 Subexpression states  
: 792 P 0774 1  
: 793 P 0775 1  
: 794 P 0776 1 SUB_EXPRESSIONS  
: 795 P 0777 1 (CCF,  
: 796 P 0778 1  
: 797 P 0779 1 ALL, TPAS_EOS,  
: 798 P 0780 1 SUR, TPAS_LAMBDA,  
: 799 P 0781 1  
: 800 P 0782 1 )
```

```

: 802      0783 1 %SBTTL 'CLEAR Console Module Parameters'
: 803      0784 1
: 804      0785 1
: 805      0786 1
: 806      0787 1
: 807      0788 1
: 808      P 0789 1 $STATE (ST_CCS,
: 809      P 0790 1 (TPAS_EOS),
: 810      P 0791 1 (TPAS_LAMBDA, ST_CCS_PRC)
: 811      0792 1 );
: 812      0793 1
: 813      0794 1
: 814      P 0795 1 QUERY_STATES
: 815      P 0796 1 (CCS,
: 816      P 0797 1
: 817      0798 1 ALL, RTR)
: 818      0799 1
: 819      0800 1
: 820      P 0801 1 $STATE (ST_CCS_DOIT,
: 821      P 0802 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_CCS),
: 822      0803 1 );
: 823      0804 1
: 824      0805 1
: 825      P 0806 1 $STATE (ST_CCS_PRC,
: 826      P 0807 1 ((SE_ALC), ST_CCS_DOIT),
: 827      P 0808 1
: 828      P 0809 1 DISPATCH_STATES
: 829      P 0810 1 (CCS,
: 830      P 0811 1
: 831      P 0812 1 RTR, 'RESERVATION',
: 832      P 0813 1
: 833      P 0814 1 )
: 834      P 0815 1
: 835      P 0816 1 (TPAS_EOS, ST_CCS_DOIT)
: 836      0817 1 );
: 837      0818 1
: 838      0819 1
: 839      0820 1
: 840      0821 1
: 841      0822 1
: 842      P 0823 1 Process States
: 843      P 0824 1 PROCESS_STATES
: 844      P 0825 1 (CCS,
: 845      P 0826 1
: 846      P 0827 1 RTR, 'TIMER',
: 847      0828 1 )
: 848      0829 1
: 849      0830 1
: 850      0831 1
: 851      0832 1
: 852      0833 1
: 853      P 0834 1 Subexpression states
: 854      P 0835 1 SUB_EXPRESSIONS
: 855      P 0836 1 (CCS,
: 856      P 0837 1
: 857      P 0838 1 ALL, TPAS_EOS,
: 858      P 0839 1 RTR, TPAS_LAMBDA,
```



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V04-000

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0840 1 )

```
: 861      0841 1 %SBTTL 'CLEAR Loader Module Parameters'
: 862      0842 1
: 863      0843 1
: 864      0844 1
: 865      0845 1
: 866      0846 1
: 867      P 0847 1 $STATE (ST_CLD,
: 868      P 0848 1 (TPAS_EOS),
: 869      P 0849 1 (TPAS_LAMBDA, ST_CLD_PRC)
: 870      0850 1 );
: 871      0851 1
: 872      0852 1
: 873      P 0853 1 QUERY_STATES
: 874      P 0854 1 (CLD,
: 875      P 0855 1
: 876      0856 1 ALL, ASS)
: 877      0857 1
: 878      0858 1
: 879      P 0859 1 $STATE (ST_CLD_DOIT,
: 880      P 0860 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_CLD),
: 881      0861 1 );
: 882      0862 1
: 883      0863 1
: 884      P 0864 1 $STATE (ST_CLD_PRC,
: 885      P 0865 1 ((SE_ALC), ST_CLD_DOIT),
: 886      P 0866 1
: 887      P 0867 1 DISPATCH_STATES
: 888      P 0868 1 (CLD,
: 889      P 0869 1
: 890      P 0870 1 ASS, 'ASSISTANCE',
: 891      P 0871 1
: 892      P 0872 1 )
: 893      P 0873 1
: 894      P 0874 1 (TPAS_EOS, ST_CLD_DOIT)
: 895      0875 1 );
: 896      0876 1
: 897      0877 1
: 898      0878 1
: 899      0879 1
: 900      0880 1
: 901      P 0881 1
: 902      P 0882 1 PROCESS_STATES
: 903      P 0883 1 (CLD,
: 904      P 0884 1
: 905      P 0885 1 ASS, ,
: 906      0886 1 )
: 907      0887 1
: 908      0888 1
: 909      0889 1
: 910      0890 1
: 911      0891 1
: 912      P 0892 1 SUB_EXPRESSIONS
: 913      P 0893 1 (CLD,
: 914      P 0894 1
: 915      P 0895 1 ALL, TPAS_EOS,
: 916      P 0896 1 ASS, TPAS_LAMBDA,
: 917      P 0897 1
```



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0898 1 )

```
: 920      0899 1 %SBTTL 'CLEAR Looper Module Parameters'
: 921      0900 1
: 922      0901 1
: 923      0902 1
: 924      0903 1
: 925      0904 1
: 926      P 0905 1 $STATE (ST_CLP,
: 927      P 0906 1 (TPAS_EOS),
: 928      P 0907 1 (TPAS_LAMBDA, ST_CLP_PRC)
: 929      0908 1 );
: 930      0909 1
: 931      0910 1
: 932      P 0911 1 QUERY_STATES
: 933      P 0912 1 (CLP,
: 934      P 0913 1
: 935      0914 1 ALL, ASS)
: 936      0915 1
: 937      0916 1
: 938      P 0917 1 $STATE (ST_CLP_DOIT,
: 939      P 0918 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_CLP),
: 940      0919 1 );
: 941      0920 1
: 942      0921 1
: 943      P 0922 1 $STATE (ST_CLP_PRC,
: 944      P 0923 1 ((SE_ALC), ST_CLP_DOIT),
: 945      P 0924 1
: 946      P 0925 1 DISPATCH_STATES
: 947      P 0926 1 (CLP,
: 948      P 0927 1
: 949      P 0928 1 ASS, 'ASSISTANCE',
: 950      P 0929 1
: 951      P 0930 1 )
: 952      P 0931 1
: 953      P 0932 1 (TPAS_EOS, ST_CLP_DOIT)
: 954      0933 1 );
: 955      0934 1
: 956      0935 1
: 957      0936 1
: 958      0937 1
: 959      0938 1
: 960      P 0939 1 Process States
: 961      P 0940 1 PROCESS_STATES
: 962      P 0941 1 (CLP,
: 963      P 0942 1
: 964      P 0943 1 ASS, ,
: 965      0944 1 )
: 966      0945 1
: 967      0946 1
: 968      0947 1
: 969      0948 1
: 970      0949 1
: 971      P 0950 1 Subexpression states
: 972      P 0951 1 SUB_EXPRESSIONS
: 973      P 0952 1 (CLP,
: 974      P 0953 1
: 975      P 0954 1 ALL, TPAS_EOS,
: 976      P 0955 1 ASS, TPAS_LAMBDA,
```



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0956 1 )

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Modules Configurator, Console, Loader, Looper P  
Define Subexpressions

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```
: 979      0957 1 %SBTTL 'Define Subexpressions'
: 980      0958 1
: 981      0959 1 !
: 982      0960 1 ! Define Subexpressions from Library
: 983      0961 1 !
: 984      0962 1 !
: 985      0963 1 SEM_ALL ! All parameter
: 986      0964 1 SEM_CIRC_ID ! Circuit name
: 987      0965 1 SEM_LINE_ID
: 988      0966 1 SEM_QUERY ! Query state subexpressions
```



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Modules Configurator, Console, Loader, Looper P  
Define Subexpressions

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: 990  
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0967 1 END  
0968 0 ELUDOM

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